

## ABSTRACT OF THE DISCLOSURE

A Software System, known as an Automatic Well Planning Risk Assessment Software  
5 System, is adapted to determine and display risk information in response to a plurality of  
input data by: receiving the plurality of input data, the input data including a plurality of  
input data calculation results; comparing each calculation result of the plurality of input  
data calculation results with each logical expression of a plurality of logical expressions;  
ranking by the logical expression the calculation result; and generating a plurality of  
10 ranked risk values in response thereto, each of the plurality of ranked risk values  
representing an input data calculation result that has been ranked by the logical  
expression as either a high risk or a medium risk or a low risk; generating the risk  
information in response to the plurality of ranked risk values; and displaying the risk  
information.

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